

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A heat exchanger distributor for multicomponent heat exchange fluid comprising:
 - (A) a main volume comprising a hardway fin section and a main fin section;
 - (B) a distributor bar communicating with the hardway fin section of the main volume, means for providing a liquid phase of a multicomponent heat exchange fluid to the ~~main volume~~-distributor bar, means for providing a vapor phase of the multicomponent heat exchange fluid to the distributor bar, and means for withdrawing multicomponent heat exchange fluid from the main volume; and
 - (C) a plurality of spaced dividers longitudinally oriented within the main volume, each of said dividers traversing substantially the entire hardway fin section.
2. (Original) The distributor of claim 1 wherein the main fin section comprises from 66 to 99 percent of the main volume.
3. (Original) The distributor of claim 1 wherein the dividers additionally traverse at least a portion of the main fin section.
4. (Original) The distributor of claim 1 wherein the dividers are spaced at least 3 inches apart.
5. (Cancelled)
6. (Cancelled)
7. (Original) The distributor of claim 1 wherein the hardway fin section comprises two or more subsections of different hardway fins.

8. (Original) The distributor of claim 1 wherein the main fin section comprises two or more subsections of different main fins.

9. (Currently Amended) The distributor of claim 1 wherein the ~~means for providing multicomponent heat exchange fluid to the main volume~~ distributor bar comprises adjacent slotted bars and hardway fins for the flow therethrough of liquid and vapor respectively.

10. (Currently Amended) The distributor of claim 1 ~~wherein the means for providing multicomponent heat exchange fluid to the main volume comprises a distributor bar and wherein the dividers are placed with a gap from~~ the distributor bar.